

541669

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/062420 A2

- (51) International Patent Classification⁷: **A45D** (74) Agent: STOLTZ, Melvin, I.; 51 Cherry Street, Milford, CT 06460 (US).
- (21) International Application Number: PCT/US2004/000112 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 5 January 2004 (05.01.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/438,537 7 January 2003 (07.01.2003) US
- (71) Applicant (for all designated States except US): REMINGTON PRODUCTS COMPANY, L.L.C [US/US]; (A Limited Liability Company of Delaware), 60 Main Street, Bridgeport, CT 06604 (US).
- (71) Applicants and
- (72) Inventors: CHASEN, James, E. [US/US]; 45 Florence Avenue, West Haven, CT 06516 (US). LARSEN, Scottt [US/US]; 18 Sugar Hill Road, Newton, CT 06470 (US). MELITO, M., Anthony [US/US]; 64 Walnut Avenue, Shelton, CT 06468 (US). MERCURIO, Frank [US/US]; 57 Park Pond Circle, Wallingford, CT 06492 (US). MOWERS, Stephen, D. [US/US]; 53 Nutmeg Lane, Fairfield, CT 06824 (US). SIMMONE, Timothy, G. [US/US]; 340 Watrous Point Road, Old Saybrook, CT 06475 (US).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR CLEANING THE CUTTING SYSTEM OF AN ELECTRIC SHAVER

(57) Abstract: By providing a shaver receiving and supporting housing which is constructed for enabling cleaning fluid to be delivered directly to the interior of a shaver in a highly efficient manner, a fully integrated shaving cleaning system is realized which is capable of providing automated cleaning of the shaver in an efficient and effective manner. In accordance with the present invention, the cleaning fluid is forced through portals formed in the shaver for enabling the fluid to be forcibly delivered directly into the hair pocket of the shaver, thereby enabling the surfaces of the hair pocket, the cutting foils, and the cutting blades to be completely and thoroughly cleaned, with the fluid draining out of the shaver through the cutting foils. In addition, the present invention is constructed for thoroughly and completely cleaning both rotary shavers and foil shavers.

WO 2004/062420 A2